ACALANES UNION HIGH SCHOOL DISTRICT
1212 Pleasant Hill Road, Lafayette, CA 94549

BOARD AGENDA BACKUP

Board Meeting Date:	May 17, 2006
Item:	**New Textbook Adoptions for Calculus BC** **Report** ☐ **Discussion** ☐ **Action** ☒
Overview:	During the 2006-2007 school year, mathematics textbooks will be on cycle for review and purchase. Since schools are in need of additional textbooks for the 2006-2007 school year, which is compounded by the problem that several different textbooks are currently in use throughout the district, the Calculus BC teachers agreed to review, select, and recommend one common series of textbooks for Calculus BC instruction. Due to the complex nature of the subject matter and optional instructional components, a series of less lengthy textbooks have been chosen as best meeting the needs of students and staff. All four comprehensive high schools are requesting the adoption of Calculus I and Calculus II (8th Edition) which are authored by Larson, Hostetler, and Edwards and published by Houghton Mifflin. These two recommended textbooks have a 2006 copyright date and align with California mathematics standards. Included within the supporting documents for the textbooks being recommended for public display and review are textbook/instructional materials evaluation forms. These forms attest to the compliance with a formalized textbook review procedure that provides our teachers within a curricular area the opportunity to evaluate and provide input prior to a textbook's presentation to the Governing Board. Both books were on display and available for public review in the Curriculum Office until May 16. No public comments were received.

Recommendation:	None
Amount:	$22,050
Funding Source(s):	Instructional Materials Funds
Budgeted:	**Yes:** ☒ **No:** ☐
Prepared by:	John Stockton
Reviewed by Signature:	John Stockton, Associate Superintendent
Superintendent's Signature:	Jim Negri, Superintendent

Exhibit:	XI-E
Meeting Date:	05/17/06
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Acalanes Union High School District
Textbook/Instructional Materials Evaluation Form

Date: 04/18/06

Name of Course: Calculus BC **Level:** 12

Name of Proposed Text/Resources: Calculus of A Single Variable – Calculus I ~~Calculus II~~ Multivariable Calc.

Publisher: Houghton Mifflin

Author(s): Larson, Hostetler, Edwards

Copyright: 2006 **Cost per Text:** 2 parts $98.07

Date of Last Adoption: _____ 3 parts $165.27

Name of Evaluator Nita Madra **Signature** Nita Madra

	Superior	Adequate	Inadequate
Does the textbook/instructional material address Board Adopted Standards and Benchmarks for the course? ***(See attached Standards and Benchmarks Alignment sheets"***	✓		
Are concepts presented in a logical pattern, accompanied by concrete examples and applications?	✓		
Is the concept density, readability, and vocabulary development appropriate for the level of students in the course? Readability Level (Fry): _____	✓		
Are there sufficient study aids to make the text usable for students? ➢ ***Typographical clues*** ➢ ***Marginal notes*** ➢ ***Glossary, index, table of contents*** ➢ ***Concept maps***	✓		
Do student exercises and activities address all levels of thinking and a variety of student ability levels? *(Bloom's Taxonomy: knowledge, comprehension, application, analysis, synthesis, and evaluation)* *(Ability to allow for differentiated instruction)* *(Gardner's Multiple Intelligence: linguistic, logical-mathematical, musical, spatial, bodily-kinesthetic, interpersonal, intrapersonal, and naturalist)*	✓		
Are the teacher support materials adequate? ➢ ***Teacher Editions*** ➢ ***Workbooks*** ➢ ***Test Bank*** ➢ ***Multimedia material***	✓		
Are pictures, graphs, and other data up to date?	✓		
Does textbook/instructional material meet State criteria for textbook/materials adoption?	✓		

Textbook Adoption Recommendation Form

I. List of book review by staff/committee:

Title	Publisher	Copyright Date	Rank Order*
1. Calculus I, II & Multivariable	Houghton Mifflin	2006	1
2. Calculus 5e	Calculus Thomson Brooks/Cole	2003	2
3.			
4.			

*Please rank order (1 as the highest) the textbooks based on adherence to standards and benchmarks, district needs, instructional appropriateness, and fiscal implications versus product value.

II. Recommendation for Adoption: Calculus I, Calculus II, Multivariable Calculus (Larson, Hostetler, Edwards)

III. Briefly summarize the strengths of the text support its recommendation for adoption.

Best structure, readable, good examples, covered all concepts

IV. Signatures of Approval:

Signatures of Department Chairpersons:

1) Cathy Sellows
2) [signature]
3) Nita Gadora
4) Barbara Mochizuki

Administrative Council Approval Date: _____

Signature of Associate Superintendent: _____

Form C
Revised: March 2005